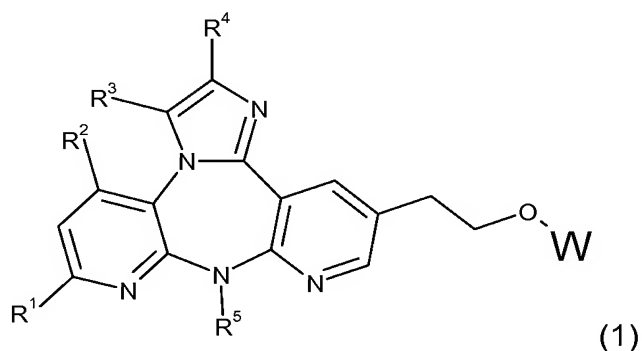


## CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

Claim 1 (previously presented): A compound represented by formula 1:



wherein

**R<sup>1</sup>** is selected from the group consisting of H, halogen, (C<sub>1-4</sub>)alkyl, O(C<sub>1-4</sub>)alkyl, and haloalkyl;

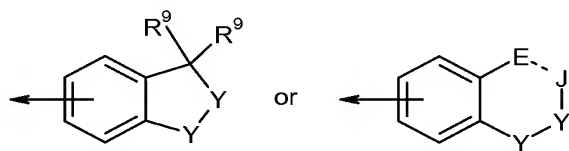
**R<sup>2</sup>** is H or Me;

**R<sup>3</sup>** is H or (C<sub>1-4</sub>)alkyl;

**R<sup>4</sup>** is H or (C<sub>1-4</sub>)alkyl;

**R<sup>5</sup>** is (C<sub>1-4</sub>)alkyl, (C<sub>1-4</sub>)alkyl(C<sub>3-7</sub>)cycloalkyl, or (C<sub>3-7</sub>)cycloalkyl; and

**W** is selected from:



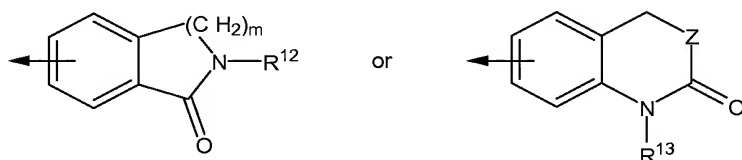
wherein,

a) one of **Y** is SO<sub>2</sub> and the other **Y** is **NR<sup>6</sup>**, provided that both are not the same, wherein **R<sup>6</sup>** is selected from the group consisting of: H, C(O)O(C<sub>1-4</sub>)alkyl, (C<sub>1-4</sub>) alkyl or (C<sub>1-4</sub>) alkyl substituted with either a pyridinyl-N-oxide or C(O)OR<sup>8</sup> wherein **R<sup>8</sup>** is H or (C<sub>1-4</sub>) alkyl; and each **R<sup>9</sup>** is independently H or (C<sub>1-4</sub>) alkyl; and

b) **E** is  $\text{CR}^{10}\text{R}^{10}$  wherein each  $\text{R}^{10}$  is independently H or  $(\text{C}_{1-4})$  alkyl, J is  $\text{CH}_2$  and the dotted line represents a single bond; or

c) **E** and **J** are both  $\text{CR}^{11}$  wherein  $\text{R}^{11}$  is H or  $(\text{C}_{1-4})$  alkyl and the dotted line represents a double bond; or

**W** is selected from:



wherein,

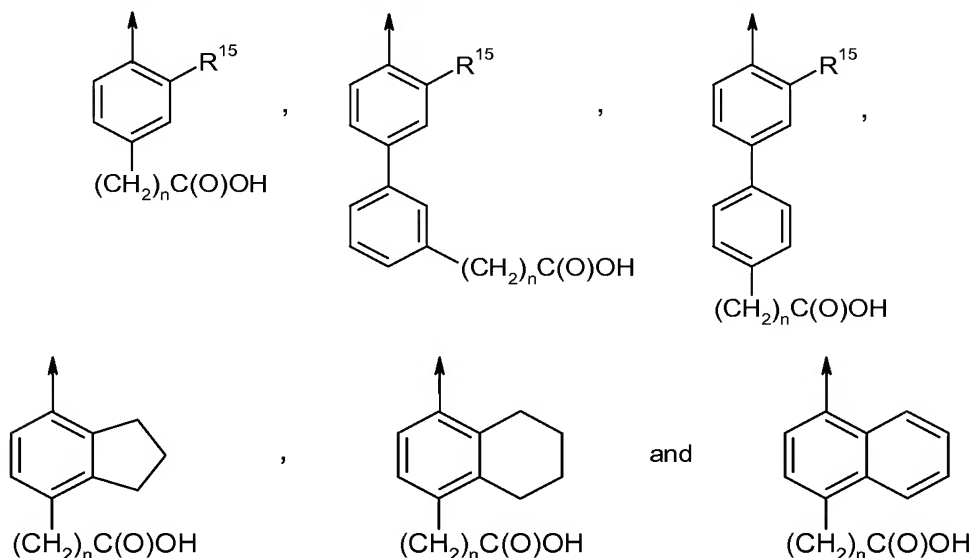
m is 1 or 2,

$\text{R}^{12}$  is H or  $\text{C}_{(1-4)}$  alkyl,

$\text{R}^{13}$  is H or  $(\text{C}_{1-4})$  alkyl, and

**Z** is **O** or **Z** is  $\text{NR}^{14}$  wherein  $\text{R}^{14}$  is H or  $(\text{C}_{1-4})$  alkyl; or

**W** is selected from a group of aromatic radicals consisting of:

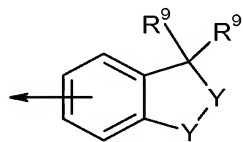


wherein  $\text{R}^{15}$  is  $(\text{C}_{1-4})$  alkyl or  $\text{CF}_3$ , and n is the integer 0, 1 or 2, or a pharmaceutically acceptable salt or ester thereof.

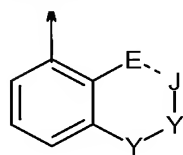
Claim 2 (original): The compound according to claim 1, wherein  $\text{R}^1$  is selected from

the group consisting of: H, Cl, F, (C<sub>1-4</sub>) alkyl and CF<sub>3</sub>; **R**<sup>2</sup>, **R**<sup>3</sup> and **R**<sup>4</sup> is each independently H or Me; **R**<sup>5</sup> is ethyl or cyclopropyl;

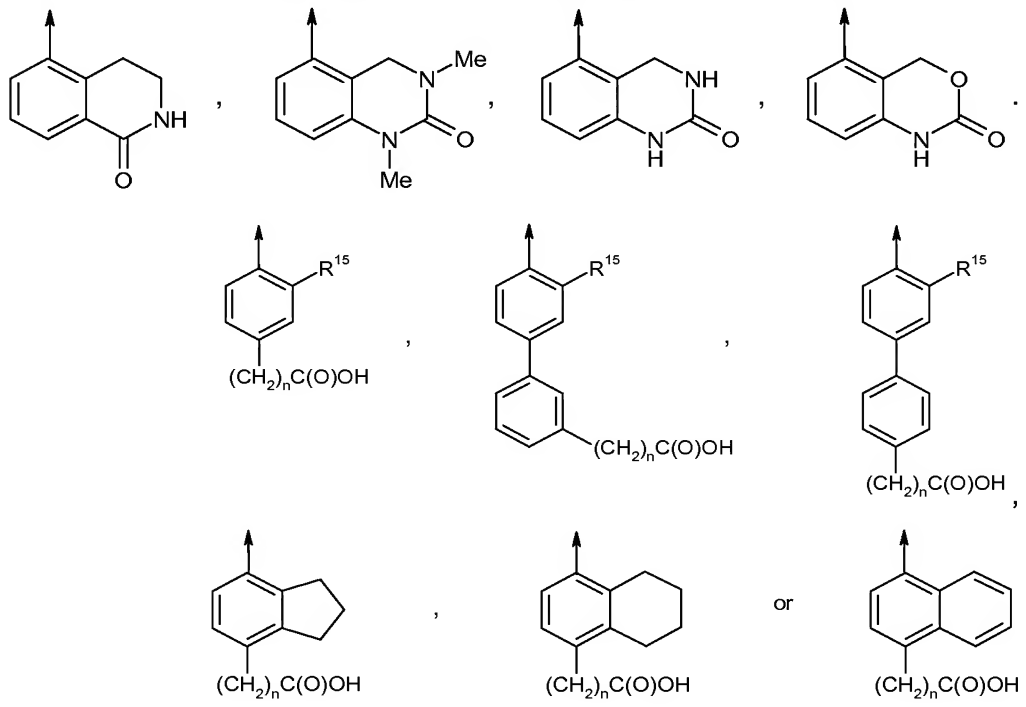
**W** is:



wherein **Y** is SO<sub>2</sub> and the other **Y** is NR<sup>6</sup>, provided that both are not the same, **R**<sup>6</sup> is H, C(O)OMe, C(O)OEt, (4-pyridinyl-N-oxide)methyl, CH<sub>2</sub>C(O)OH, CH<sub>2</sub>C(O)OMe, CH<sub>2</sub>C(O)OEt or CH<sub>2</sub>C(O)OCMe<sub>3</sub>, and each **R**<sup>9</sup> is independently H or Me; or



wherein **E** is CR<sup>10</sup>R<sup>10</sup> wherein each of **R**<sup>10</sup> is independently H or Me, **J** is CH<sub>2</sub> and the dotted line represents a single bond; or both **E** and **J** are CR<sup>11</sup> wherein **R**<sup>11</sup> is H or Me and the dotted line represents a double bond; one of **Y** is SO<sub>2</sub> and the other **Y** is NR<sup>6</sup> wherein **R**<sup>6</sup> is hydrogen or methyl; or

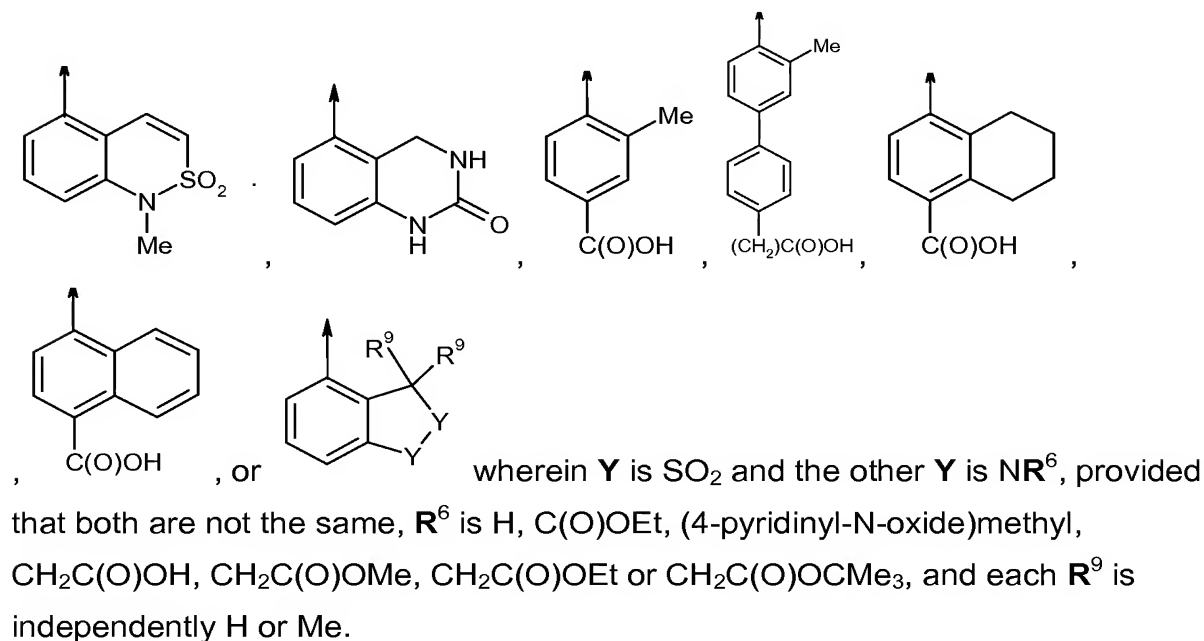


wherein **R**<sup>15</sup> is Me or Et, and n is 0 or 1.

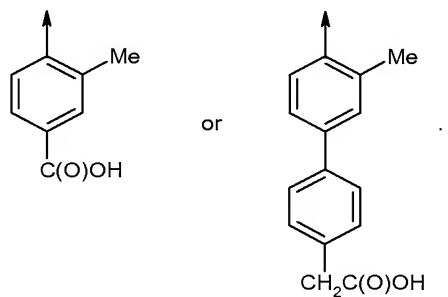
Claim 3 (original): The compound according to claim 2, wherein  $R^{15}$  is Me.

Claim 4 (original): The compound according to claim 3, wherein  $R^1$  is H, Cl, F and Me;  $R^2$  is H or Me;

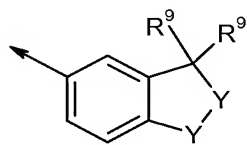
**W** is:



Claim 5 (original): The compound according to claim 4, wherein  $R^3$  is Me,  $R^6$  is H, C(O)OEt or (4-pyridinyl-N-oxide)methyl, and **W** is:



Claim 6 (currently amended): The compound according to ~~claim 4~~ claim 3, wherein **W** is:



wherein one **Y** is SO<sub>2</sub> and the other **Y** is NR<sup>6</sup>, provided that both are not the same, **R**<sup>6</sup> is H, C(O)OEt, CH<sub>2</sub>C(O)OH, CH<sub>2</sub>C(O)OCMe<sub>3</sub>, (4-pyridinyl-N-oxide)methyl; and each **R**<sup>9</sup> is independently H or Me.

Claim 7 (original): The compound according to claim 6, wherein **R**<sup>6</sup> is H and each **R**<sup>9</sup> is Me.

Claim 8 (cancelled)

Claim 9 (cancelled)

Claim 10 (cancelled)

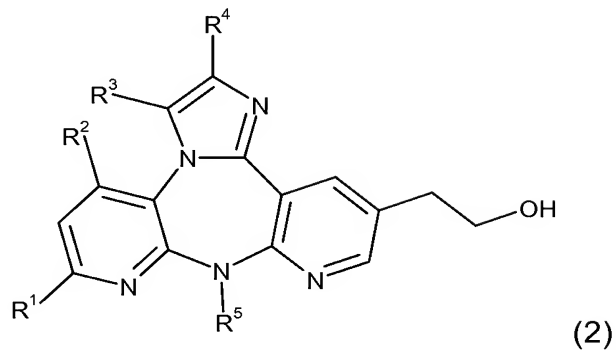
Claim 11 (previously presented): A pharmaceutical composition for the treatment of HIV infection, comprising a compound of formula 1 according to claim 1, or a pharmaceutically acceptable salt or ester thereof, in combination with a pharmaceutically acceptable carrier.

Claim 12 (previously presented): A method for the treatment of HIV infection, comprising administering to a patient an HIV inhibiting amount of a compound of formula 1 according to claim 1, or a pharmaceutically acceptable salt or ester thereof.

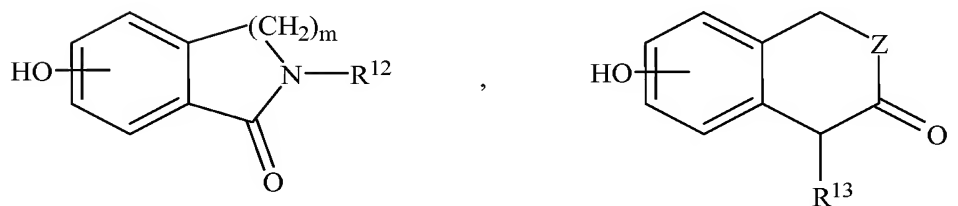
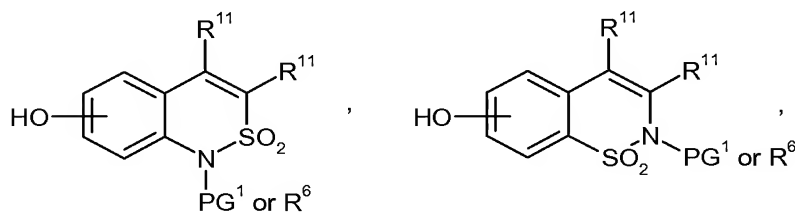
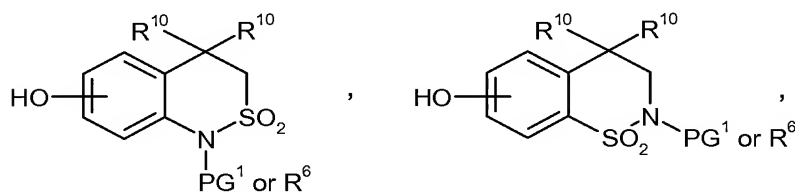
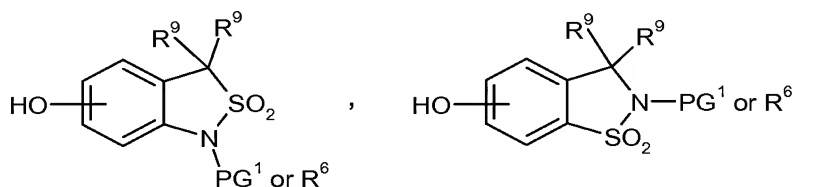
Claim 13 (previously presented): A method for the treatment of HIV infection, comprising administering to a patient an HIV inhibiting amount of a pharmaceutical composition according to claim 11.

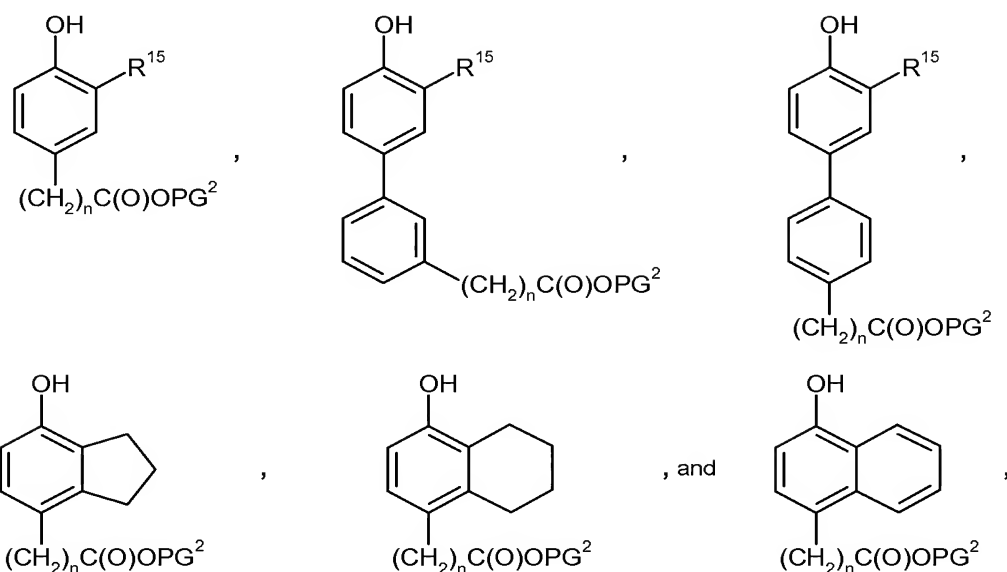
Claim 14 (previously presented): A process for producing a compound of formula 1 according to claim 1, comprising the step:

- coupling a compound of formula 2:



wherein **R<sup>1</sup>**, **R<sup>2</sup>**, **R<sup>3</sup>**, **R<sup>4</sup>**, and **R<sup>5</sup>** are as defined in claim 1, with a phenolic derivative selected from:



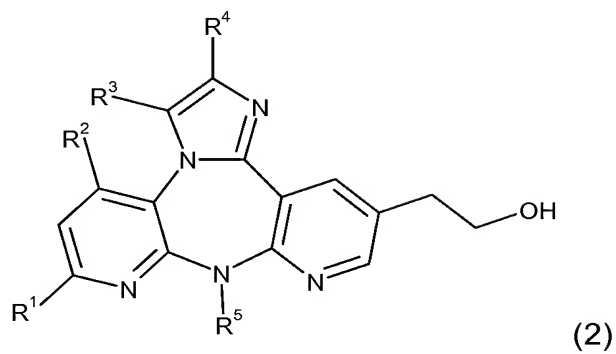


wherein PG<sup>1</sup> is a nitrogen protecting group and PG<sup>2</sup> is a carboxy protecting group, said protecting groups being removable under mildly acidic, mildly alkaline or reductive conditions, and R<sup>6</sup>, R<sup>9</sup>, R<sup>10</sup>, R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup>, R<sup>15</sup>, m, n, and Z are as defined in claim 1.

Claim 15 (currently amended): The process according to claim 14, wherein said ~~nitrogen protecting group~~ carboxy protecting group is selected from: alkyl esters; aralkyl esters; and esters that can be cleaved by mild base treatment or mild reductive means.

Claim 16 (currently amended): The process according to claim 14, wherein said ~~carboxy protecting group~~ nitrogen protecting group is selected from: Boc (*tert*-butyloxycarbonyl) and alkyl carbamates.

Claim 17 (original): An intermediate compound of formula 2:



wherein  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$ , and  $R^5$  are as defined in claim 1.